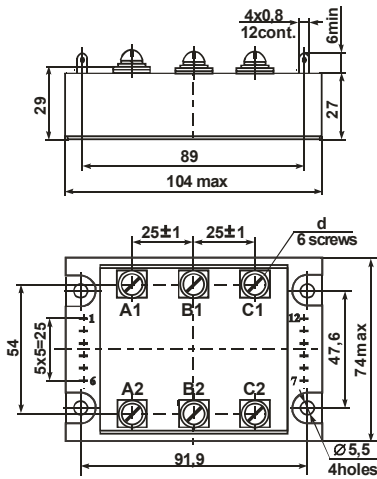




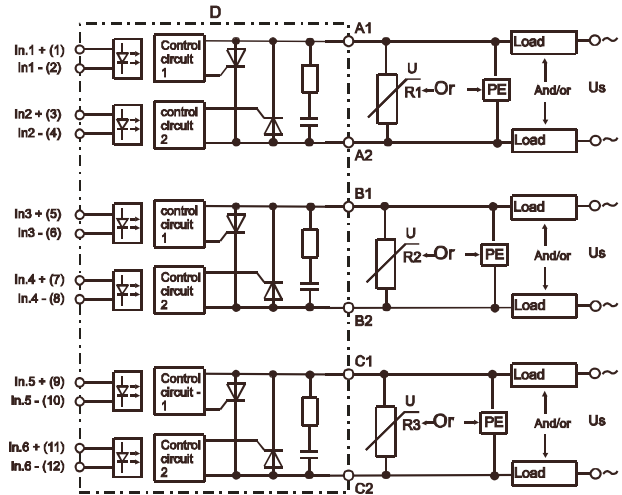
## MO26D-25-12; MO26D-40-12; MO26D-63-12; MO26D-80-12; MO26D-100-12; MO26D-125-12 TICKET

Thyristor-thyristor module with three opposite connected thyristors and opto decoupling is intended for switching of powerful AC loads in three-phase networks.

### OVERALL DRAWING AND INTERNAL CONNECTION CIRCUIT



Product description	d
MO26D-25(40,63,80)-12	screw M5
MO26D-100(125)-12	screw M6



D – module;

R1, R2, R3 – protective varistor of types CH2-1; CH2-2 with classification voltage:

$$U_{cl} = U_m^{rms} \cdot \sqrt{2} \cdot 1.1$$

$$U_{peak} > U_{cl} + 150$$

Internal RC – circuit characteristics: R = 39 Ω, C = 0.01 μF

### BASIC CHARACTERISTICS

T = 25 °C

Product name	Pulse open state voltage, $U_t$ , V		Loss current on output, $I_l$ , mA		On state input current, $I_{in}$ , mA			Isolation voltage at DC (peak value) $U_{is}$ , V		Isolation resistance input-output $R_{is}$ , in-out, MΩ	Isolation re-sistance output-radiator $R_{is}$ , Out-rad, MΩ	Thermal resistance junction-radiator, $R_{th j-r}^*$ , °C/W
	I, A	U, V	min	max	$U_{in}$ , V	min	t, min					
MO26D-25-12	79	±1200	1	10	17	4	30	4000	1	100	10	1.00
MO26D-40-12	126											0.70
MO26D-63-12	200											0.60
MO26D-80-12	251											0.45
MO26D-100-12	314											0.30
MO26D-125-12	393											0.25

\* to thyristor

### MAXIMUM ALLOWABLE OPERATING MODES

Product name	Thyristor voltage (amplitude value), $U_A$ , V	Opposite-parallel connected current, $I_{rms}$ , A	Average current value through the thyristor, $I_{avr}^*$ , A	On state input voltage, $U_{in}$ , on, V		Off state input voltage, $U_{in}$ , off, V		Pulse current on output $I_{pul}^*$ , A		Root-mean square current $I_r$ , A	Switching voltage, $U_{sw}$ , V		Rate of rise of output		Junction temperature, $T_j^{***}$ , °C	
				min	max	min	max	max	$t_{pul}$ , ms		min	max	voltage $dU/dt$ , V/μs	current, $dI/dt$ , A/μs	min	max
MO26D-25-12	1200	25	17	4	30	-3.5	0.8	320	10	40	50	840	1000	150	-40	125
MO26D-40-12		40	28					560		63						
MO26D-63-12		63	43					720		100						
MO26D-80-12		80	55					960		126						
MO26D-100-12		100	60					1250		157						
MO26D-125-12		125	95					1600		197						

\* to thyristor

\*\* with opposite-parallel thyristors connection

\*\*\* the modules are designed for operating in the equipment with using of coolers supporting transition temperature in prescribed ranges

Precious metals are not contained